

WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:
a main body for forming an image on a media;
a first media tray, detachably mounted to said main body,
5 for containing said medias therein; and

a second media tray being formed integrally with said first
media tray, detachably mounted to said main body, and able to
contain said medias therein,

wherein said second media tray is extendible from said
10 first media tray, and said second media tray is switchable between
a first state that said second media tray is housed in said main
body and a second state that said second media tray is extended
to outside of said main body.

15 2. An image forming apparatus according to claim 1,
wherein said second media tray is a manual insertion tray which
is extendible in multiple steps and used for directly setting
medias from outside of said main body into said image forming
apparatus.

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3. An image forming apparatus according to claim 2,
further comprising a transport roller which is detachably mounted
to said second media tray, and transports said media placed on
said second media tray.

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4. An image forming apparatus according to claim 2,
wherein said main body includes a door being openable, and said
first media tray includes a lock pin which prohibits said door
from closing when said second media tray extends to outside of
5 said main body, and permits said door to open when said second
media tray is housed in said main body.

5. An image forming apparatus according to claim 3,
wherein said main body includes a door being openable, and said
10 first media tray includes a lock pin which prohibits said door
from closing when said second media tray extends to outside of
said main body, and permits said door to open when said second
media tray is housed in said main body.

15 6. An image forming apparatus according to claim 2,
wherein said main body includes a door being openable, and said
first media tray includes a lock pin which prohibits said door
from closing when said second media tray extends to outside of
said main body, and permits said door to open when said second
20 media tray is housed in said main body.

7. An image forming apparatus according to claim 3,
wherein said main body includes a door being openable and said
first media tray includes a lock pin which prohibits said door
25 from closing when said second media tray extends to outside of

said main body, and permits said door to open when said second media tray is housed in said main body.

8. An image forming apparatus according to claim 2,
5 wherein said main body includes a door being openable, said first media tray includes a movable pin, when said second media tray is extended to outside of said main body, said movable pin engaging with and stopping said door at a position where said door is closed, when said second media tray is housed in said main body,
10 engagement of said door with said movable pin is removed.

9. An image forming apparatus according to claim 3,
wherein said main body includes a door being openable, said first media tray includes a movable pin, when said second media tray
15 is extended to outside of said main body, said movable pin engaging with and stopping said door at a position where said door is closed, when said second media tray is housed in said main body, engagement of said door with said movable pin is removed.

20 10. An image forming apparatus according to claim 4,
wherein when said lock pin prohibits said door from opening, said lock pin prohibits said first media tray from separating from said main body, when said lock pin permits said door to open, said lock pin permits said first media tray to separate
25 from said main body.

11. An image forming apparatus according to claim 8,
wherein when said second media tray is extended to outside of
said main body, said movable pin engages with said main body,
5 and when said second media tray is housed in said main body,
engagement of said movable pin with said main body is removed.

12. An image forming apparatus according to claim 4,
wherein said door is a jam removal door for removing said media
10 jammed in said main body.

13. An image forming apparatus comprising:
a main body for forming an image on said recording medium;
a first media tray, detachably mounted to said main body,
15 for containing said medias;

a second media tray being formed integrally with said first
media tray, detachably mounted to said main body, and expandable
in multiple steps;

an openable tray cover being provided at an end of said
20 second media tray;

an openable door provided on said main body; and

a movable pin engaging with and stopping said door at a
position where said door is closed when said tray cover is opened,
and disengaging from said door when said tray cover is closed.

14. An image forming apparatus according to claim 13,
wherein said door is a jam removal door for removing said media
jammed in said main body.

5 15. An image forming apparatus according to claim 14,
wherein in an open state of said tray cover, said movable pin
prohibits said first media tray from separating from said main
body, in a close state of said tray cover, said movable pin permits
said first media tray to separate from said main body.

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16. An image forming apparatus according to claim 14,
further comprising a transport roller which is attachable to
and detachable from said second media tray, and transports said
media placed on said second media tray.

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17. An image forming apparatus according to claim 15,
further comprising a transport roller which is attachable to
and detachable from said second media tray, and transports said
media placed on said second media tray.

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18. An image forming apparatus according to claim 5,
wherein said door is a jam removal door for removing said media
jammed in said main body.

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19. An image forming apparatus according to claim 6,

wherein said door is a jam removal door for removing said media jammed in said main body.

20. An image forming apparatus according to claim 7,
5 wherein said door is a jam removal door for removing said media jammed in said main body.

21. An image forming apparatus according to claim 8,
wherein said door is a jam removal door for removing said media
10 jammed in said main body.

22. An image forming apparatus according to claim 9,
wherein said door is a jam removal door for removing said media
jammed in said main body.
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23. An image forming apparatus according to claim 10,
wherein said door is a jam removal door for removing said media
jammed in said main body.

20 24. An image forming apparatus according to claim 11,
wherein said door is a jam removal door for removing said media
jammed in said main body.